



## MATERIAL SAFETY DATA SHEET

### 1. Identification of substance :

Product details : **Calcium Complex Grease**

Trade Name : **Chakrol Calciplex Grease.**

Manufacturer / Supplier : **Sri Chakra Lubes (P) Ltd**  
 153/2, Manapet Road, Kanniaikoil  
 Pondicherry 607 402, email id: ch.qc@chakrol.com  
 Ph: +91-413-2611201/ +91 44 2433 2902.

### 2. Composition / Data on components :

Chemical Characterization & Description : Mixture containing refined Mineral oils ,Calcium Stearate, Acetic / Oleic Acid & Additives.

### 3. Hazards identification :

Hazards designation  
**ACUTE EFFECTS:**  
**HEALTH HAZARDS, GENERAL :** No specific health hazard noted.

#### **CHRONIC EFFECTS:**

**SENSITIZATION :** No known information.

**CARCINOGENICITY : IARC:** Not listed ; **OSHA :**Not Regulated ; **NTP:** Not Listed

**HEALTH WARNINGS :** **INHALATION** : Oil mist can irritate airways and lungs  
**SKIN CONTACT** : Repeated or prolonged contact can result in drying of the skin.  
**EYE CONTACT** : Irritating.  
**INGESTION** : Can cause stomach ache and Vomiting.

**ROUTE OF ENTRY :** Inhalation ; Skin and/or eye contact ; Ingestion.

### 4. First aid measures :

General information : a. Change clothes and shoes contaminated or soaked by the product.  
 b. Never put rags contaminated by the product into cloth-pockets.

After inhalation : Provide fresh air, consult a doctor in case of symptoms.  
 (Eventually by inhaling the overheated product)

After Skin contact : The product is not skin irritating.

After Eye contact : Rinse opened eye for several minutes under running water.

After swallowing : In case of persistent symptoms consult doctor.

### 5. Fire Fighting measures :

Suitable extinguishing agents : CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire-fighting measures that suit the environment. For safety reasons, water is unsuitable extinguishing agent.

Protective equipment : In case of fire fighting , wear self containing breathing apparatus.

### 6. Accidental release measures:

Person related safety precautions : Particular danger of slipping on leaked / spilled product.

Measures for environmental protection : Do not allow to enter drainage system, surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter the ground / soil.

Measures for cleaning / collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, saw dust) .Dispose of the material collected according to regulations.

Additional information : No dangerous materials are released.

### 7. Handling and Storage:

Store in clearly marked containers under cover at maximum temperature of 40°C.  
 Keep away from food and drink.  
 Local regulations concerning handling and storage of water polluting products have to be followed.

### 8. Exposure control / Personal Protection:

Eyes : Safety goggles or face shield recommended where operations may cause splash into eyes.

Skin : The use of gloves or suitable barrier creams is recommended where prolonged and repeated contact with the product is inevitable.

Industrial Hygiene : Good working practices and personal hygiene standards should be maintained at all times .

- a. Wash hands after use and always before eating, drinking, smoking and before using the toilet.
- b. Change heavily contaminated clothing as soon as reasonably practicable.
- c. Wash any contaminated underlying skin with soap and water.



## 9. Physical and chemical properties:

|  |   |                                  |
|--|---|----------------------------------|
| Form                                   | : | Solid Paste                      |
| Colour                                 | : | Amber Brown                      |
| Flash Point                            | : | >200 °C ASTM D 92                |
| Self-inflammability                    | : | Product is not self-igniting     |
| Danger of explosion                    | : | Product is not explosive         |
| Solubility in / Miscibility with water | : | Not miscible or difficult to mix |
| Dropping point                         | : | min 250 °C ASTM D 566            |
| Penetration @ 25 °C                    | : | NLGI -2 = 265-295 ASTM D 217     |

## 10. Stability and reactivity:

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.  
 Dangerous reactions : No dangerous reactions known.  
 Dangerous products of composition : No dangerous decomposition products known.

## 11. Toxicological information:

Mild toxicity.

Primary irritant effect

on the skin : No irritant effect known  
 on the eye : No irritant effect known  
 Sensitization : No sensitizing effect known

Additional toxicological information :

The product is now subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version :When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12. Ecological information:

Behavior in environmental systems : No data available

Mobility and bioaccumulation potential : No data available.

Eco toxic effects : No data available.

Behavior in sewage processing plant :

The products sinks in the sewage water on account of its high specific gravity, eventually it is able to pass the conventional collector for light-density material.

## 13. Disposal consideration:

Products : Small Quantities.

Recommendation

Smaller quantities have to be disposed in line with local legislation.

Un cleaned packaging :

Recommendation

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

Small one-way packaging have to be disposed accordingly as per prevailing local regulations.

## 14. Transport information:

Not classified

## 15. Regulatory information:

Designation according to EU guidelines :

Observe the normal safety regulations when handling chemicals or mineral oil products.

National regulations : Not applicable

## 16. Other information:

### NFPA HAZARD RATING

**HEALTH** : Irritation, minor residual injury (1)

**FLAMMABILITY** : Burns only if pre- heated(1)

**REACTIVITY** : N/A (0)